



Boston

ROSALIE RUFFINO - SPRAGUE ENERGY (V-04-0110)

ANALYTICAL REPORT NO: 440823/ P111400194

SHORE TANK # 1 (AFTER DISCHARGE T/V NOU NOU)
SPRAGUE ENERGY, PORTSMOUTH, NH
6 FUEL OIL ON JANUARY 15, 2004

<u>TESTS</u>	<u>METHODS</u>	<u>RESULTS</u>
GRAVITY, API @ 60 DEG F.	ASTM D 4052	11.6
FLASH POINT, F	ASTM D 93	188
SEDIMENT & WATER, VOL. %	ASTM D 1796	0.20
SEDIMENT BY EXTRACTION, WT. %	ASTM D 473	0.06
VISCOSITY, @ 122 F, SFS/CST	ASTM D 445	120.9
POUR POINT, C	ASTM D 97	-9
SULFUR, WT. %	ASTM D 4294	1.95
ASH, WT. %	ASTM D 482	0.038
GROSS BTU, LB. / GAL.	CALCULATED	18,356/151,162
NITROGEN, WT. %	ASTM D 5762	0.30
ASPHALTENES, WT. %	IP 143	5.9
CONRADSON CARBON RES. WT. %	ASTM D 189	11.1
WATER BY DISTILLATION, VOL. %	ASTM D 95	0.2
SODIUM, PPM WT.	ASTM D 5863	17
VANADIUM, PPM WT.	ASTM D 5863	161

SPRAGUE PROVIDES THE ATTACHED INSPECTION REPORT/ANALYSIS REPRESENTING THE SPECIFICATIONS OF THE PRODUCT AT THE SPRAGUE TERMINAL IN TANK ON THE DATE OF INSPECTION NOTED ON THE CERTIFICATE. THIS ANALYSIS IS PROVIDED TO THE CUSTOMER FOR THE PURPOSE OF ESTABLISHING THE INDEPENDENTLY VERIFIED PRODUCT SPECIFICATION ON A COMPOSITE BASIS IN SPRAGUE'S TERMINAL SHORE TANK AS NOTED ON THE CERTIFICATE. THE INSPECTION REPORT IS NOT TO BE USED FOR ANY OTHER PURPOSE. SPRAGUE DISCLAIMS ANY LIABILITY FOR THE PRODUCT AFTER DELIVERY BY SPRAGUE TO CUSTOMER. SPRAGUE DISCLAIMS ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR AN INTENDED USE EXCEPT AS MAY BE SPECIFICALLY SET FORTH IN WRITING IN ANY CONTRACT OR TERMS OF SALE BETWEEN SPRAGUE AND A BUYER OF PRODUCT. SPRAGUE ASSUMES NO LIABILITY FOR CLAIMS OR LOSSES THAT MAY ARISE FROM CUSTOMER'S USE OF THIS INSPECTION REPORT/ANALYSIS.

SGS OIL, GAS & CHEMICALS
BOSTON - JANUARY 15, 2004

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Approved, 7/16/02 S. Mitchell

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